

FIG. 3

REPLACEMENT SHEET Inventor: Daniel Wayne Mauney Attorney: Jeffrey G. Toler (512) 327-5515 4/72 42 62 64 **ANTENNA** 63-**SPEAKER** TRANSMITTER/ RECEIVER 65 **DISPLAY** 61 **CONTROL SYSTEM** 66 70 **KEYPAD** NO 67 -69 **MICROPHONE** 1/0

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FIG. 4A

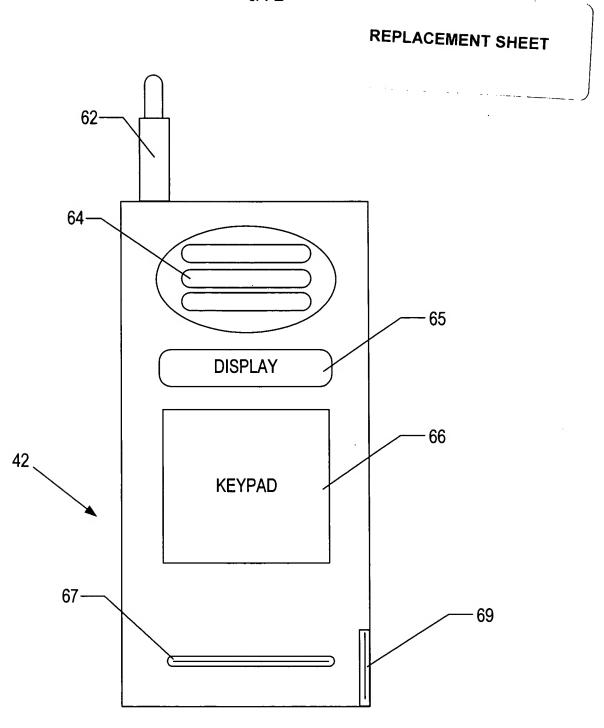
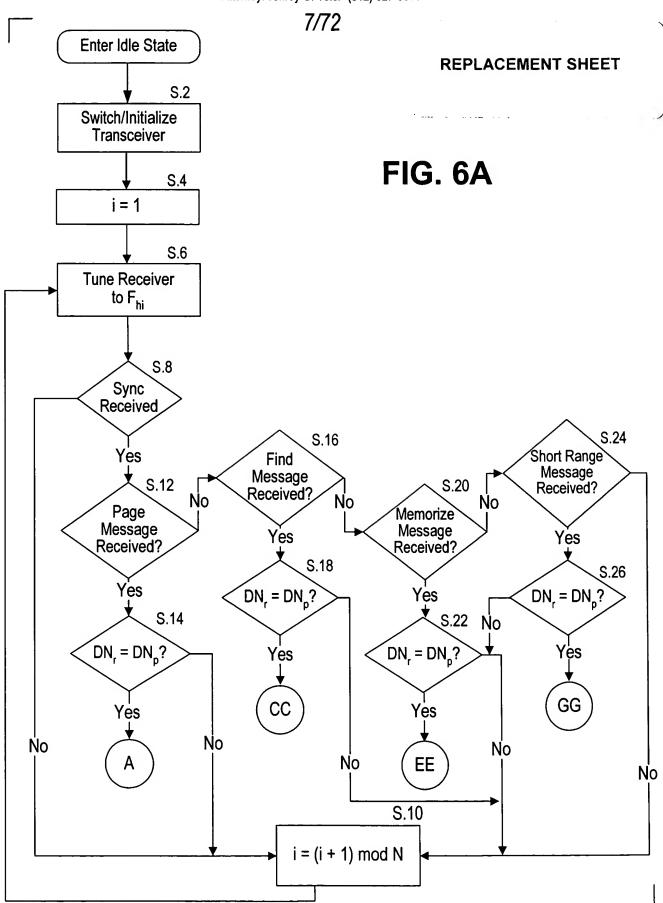


FIG. 4B

Docket No.: 1033-T00142-C3 Inventor: Daniel Wayne Mauney Attorney: Jeffrey G. Toler (512) 327-5515 6/72 REPLACEMENT SHEET MEMORIZE REQUEST STATE 0 D E FIND REQUEST STATE POWER ON IDLE STATE FIG. 5 CONVERSION STATE B PAGING STATE



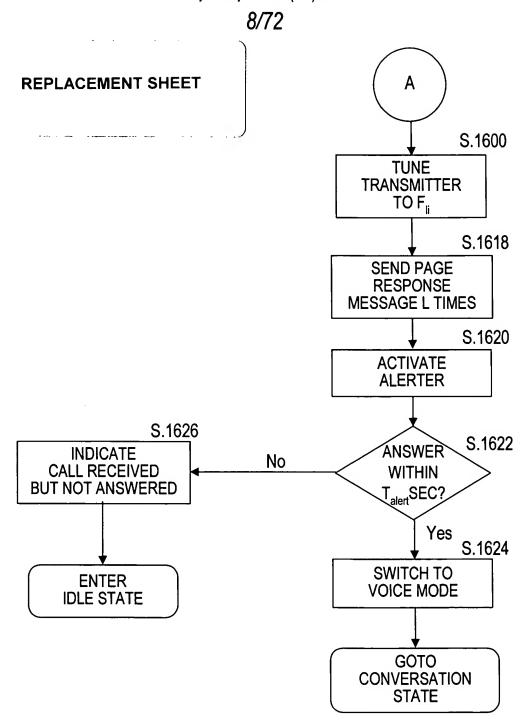
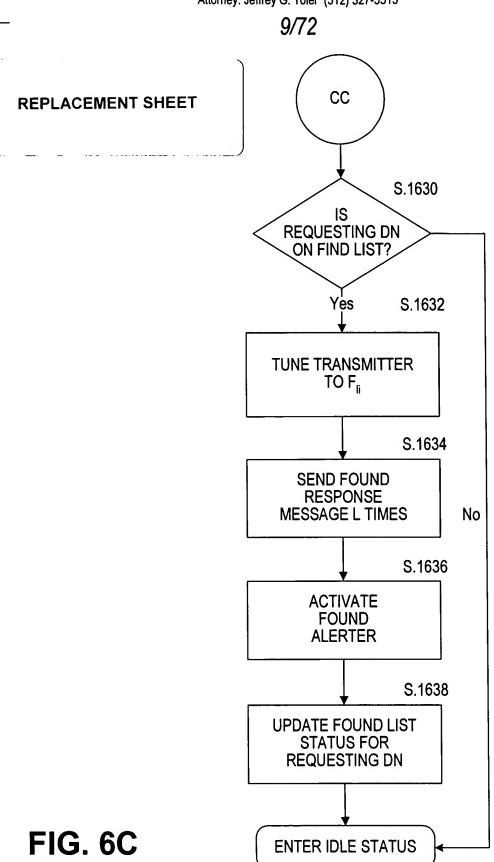


FIG. 6B



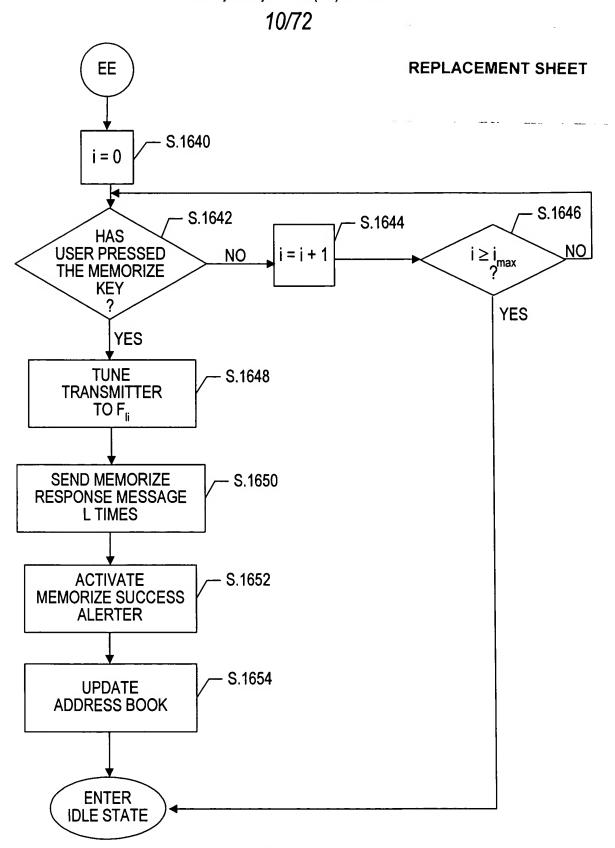


FIG. 6D

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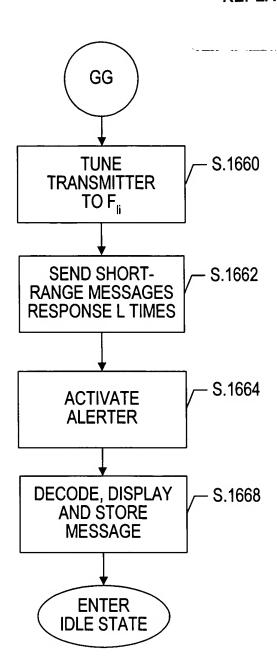
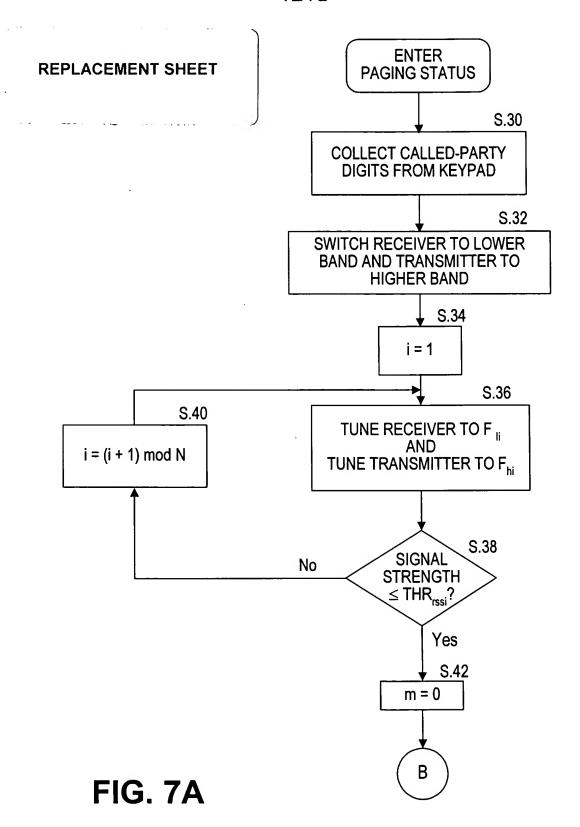
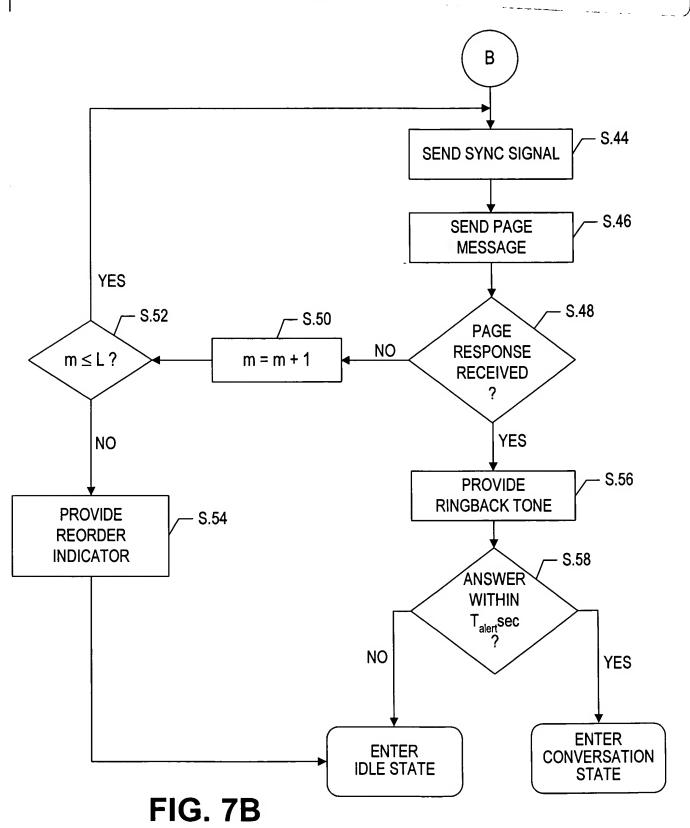


FIG. 6E



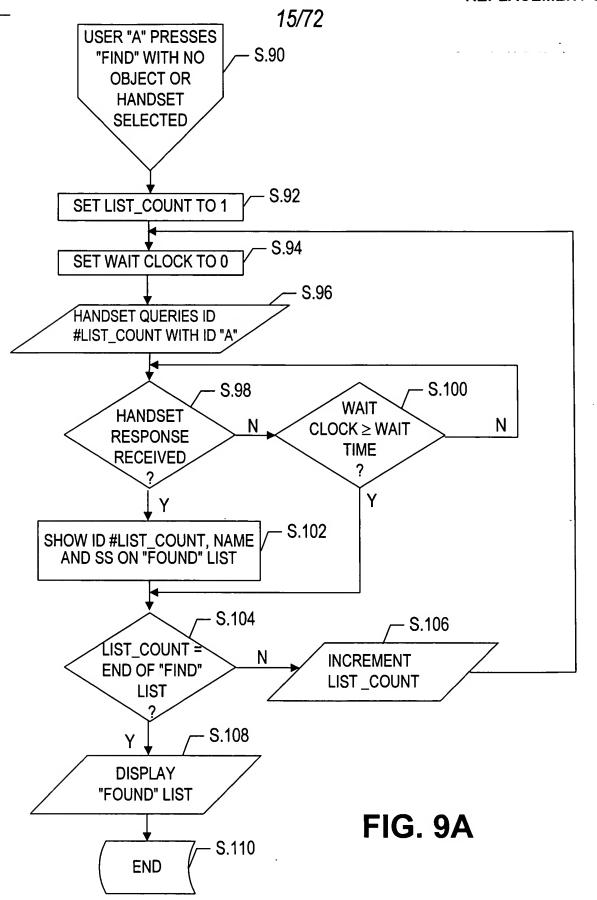
REPLACEMENT SHEET



Inventor: Daniel Wayne Mauney Attorney: Jeffrey G. Toler (512) 327-5515 REPLACEMENT SHEET 14/72 **ENTER CONVERSATION STATE** S.60 **SWITCH CIRCUITRY TO** TRANSMIT AND RECEIVE **VOICE** S.62 SEND SUPERVISORY SIGNAL S.64 $t_s = 0$ S.66 **DECODE** SUPERVISORY SIGNAL **S.72** S.70 **S.68 MUTE** SUPERVISORY No **RECEIVED** $t_s = t_s + 1$ **SIGNAL AUDIO** PRESENT? Yes S.69 S.74 S.78 · **UNMUTE** No No **END KEY RECEIVED** $t_S \ge T_{Hi}$ PRESSED? **AUDIO** Yes Yes **S.80 S.76 PROVIDE** GO TO **SWITCH CIRCUITRY** REORDER TO DATA CIRCUITRY **IDLE STATE INDICATOR**

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FIG. 8



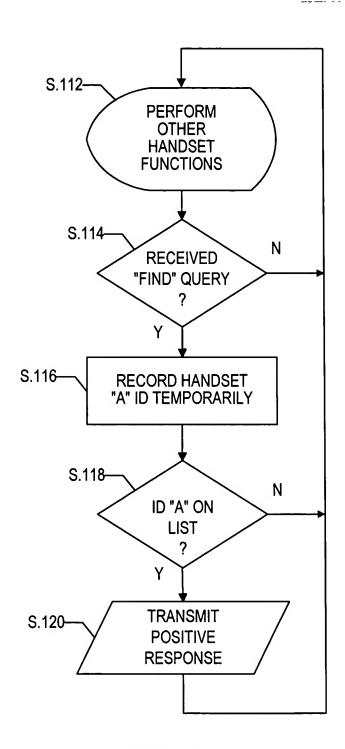
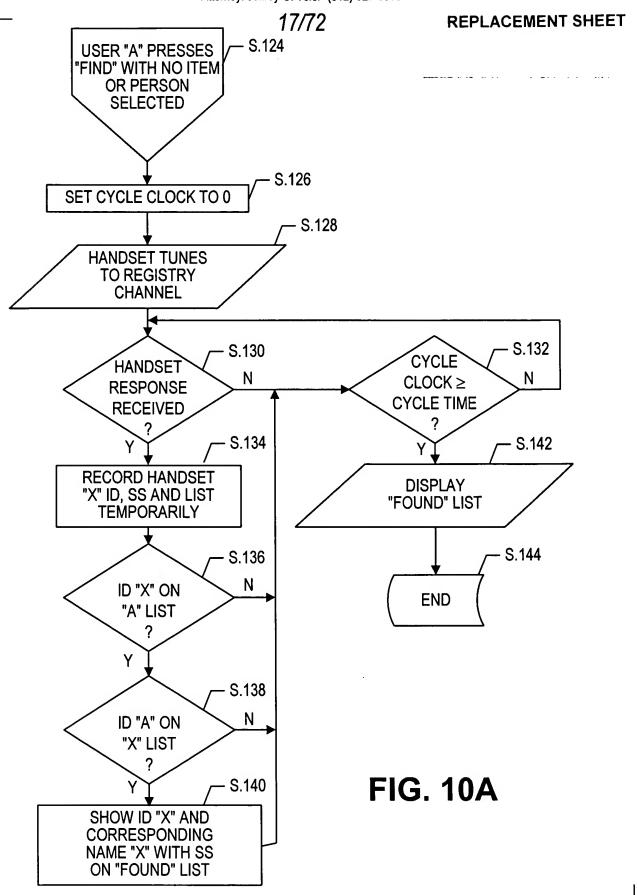


FIG. 9B



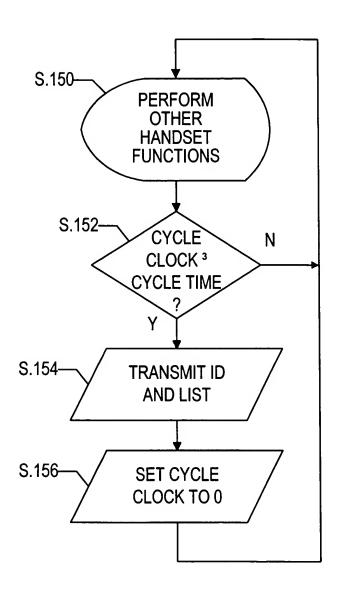
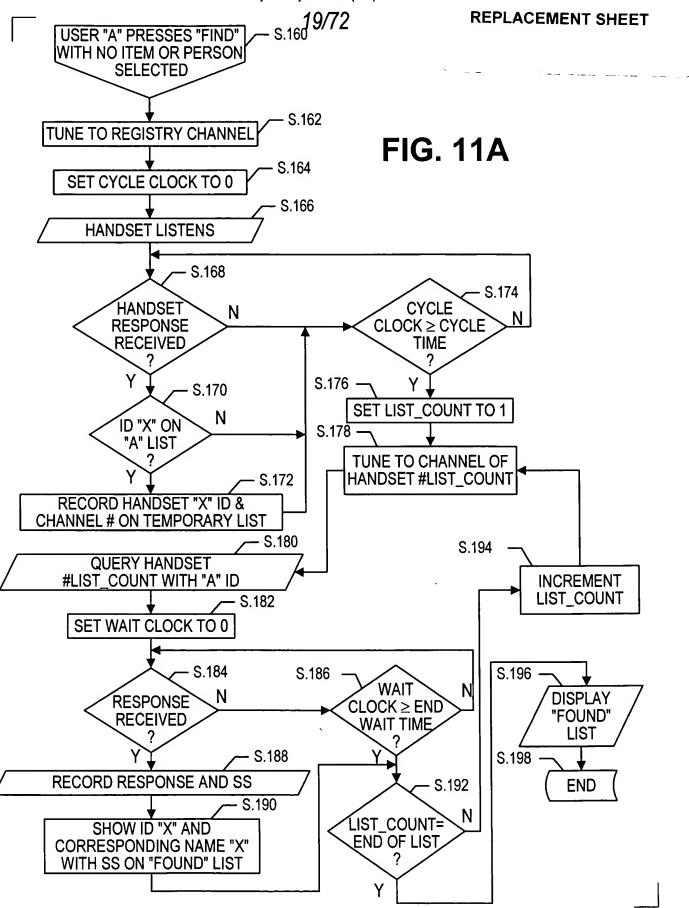


FIG. 10B



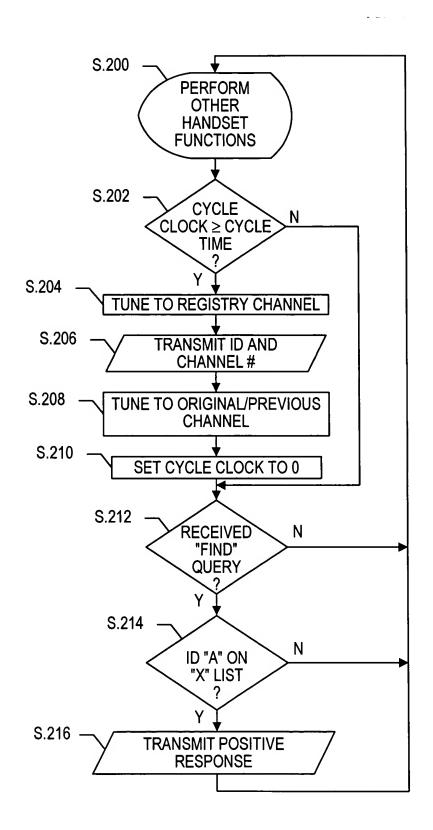
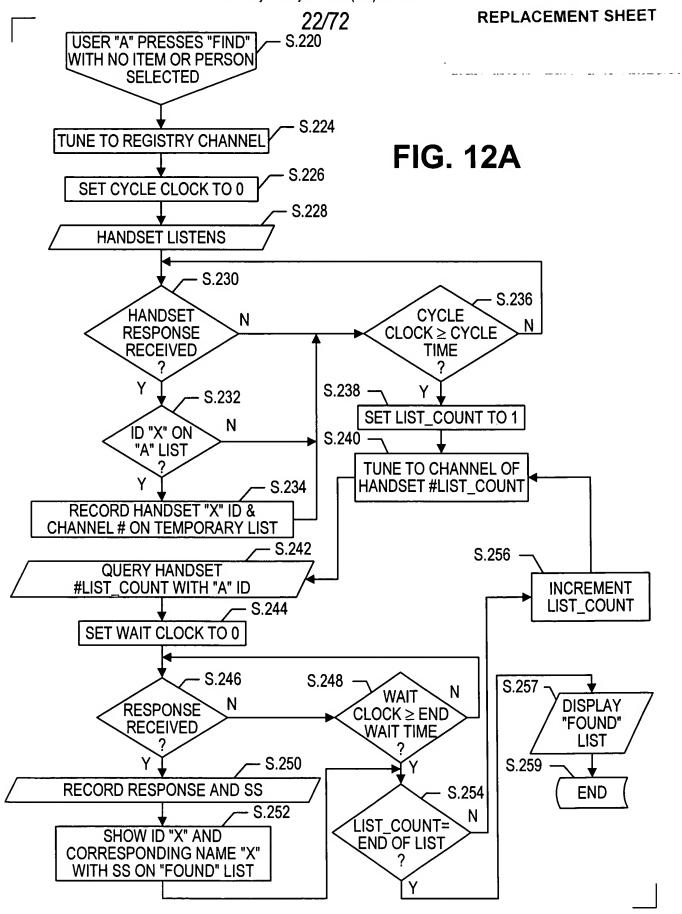
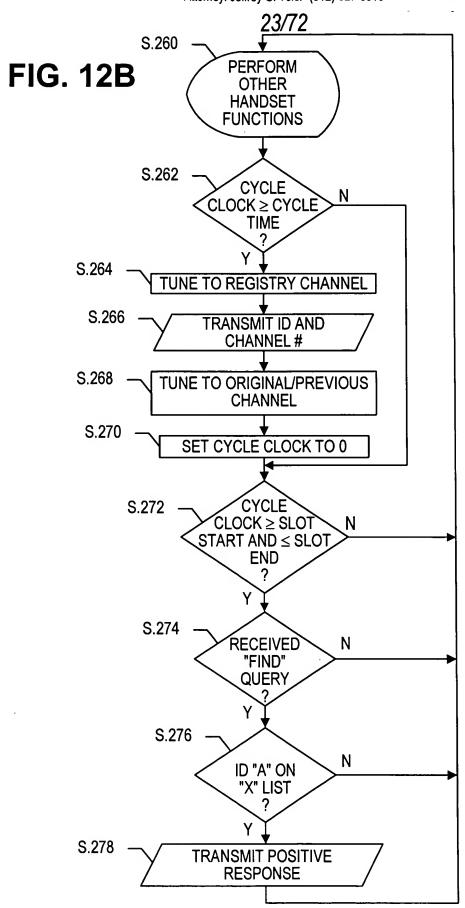


FIG. 11B





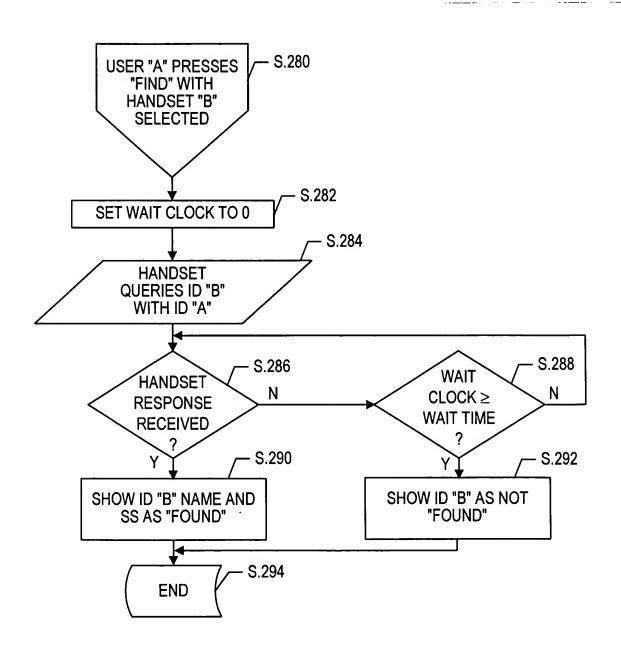


FIG. 13A

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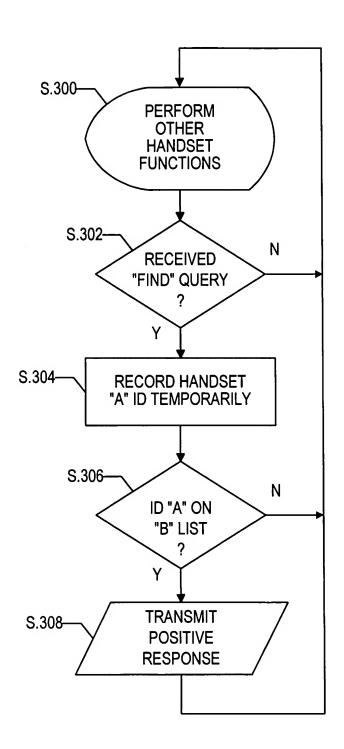
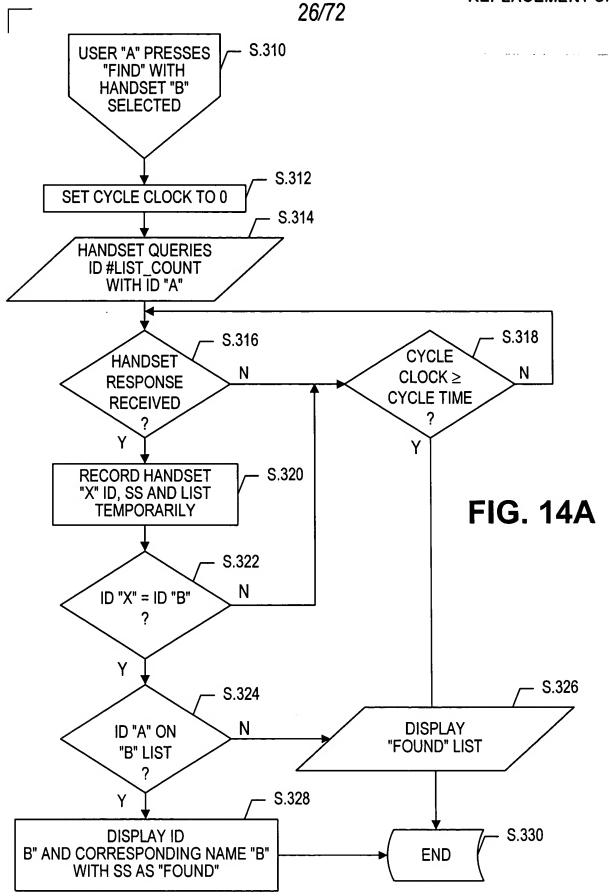


FIG. 13B



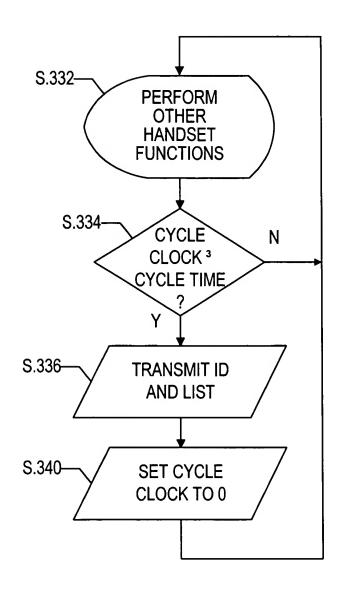
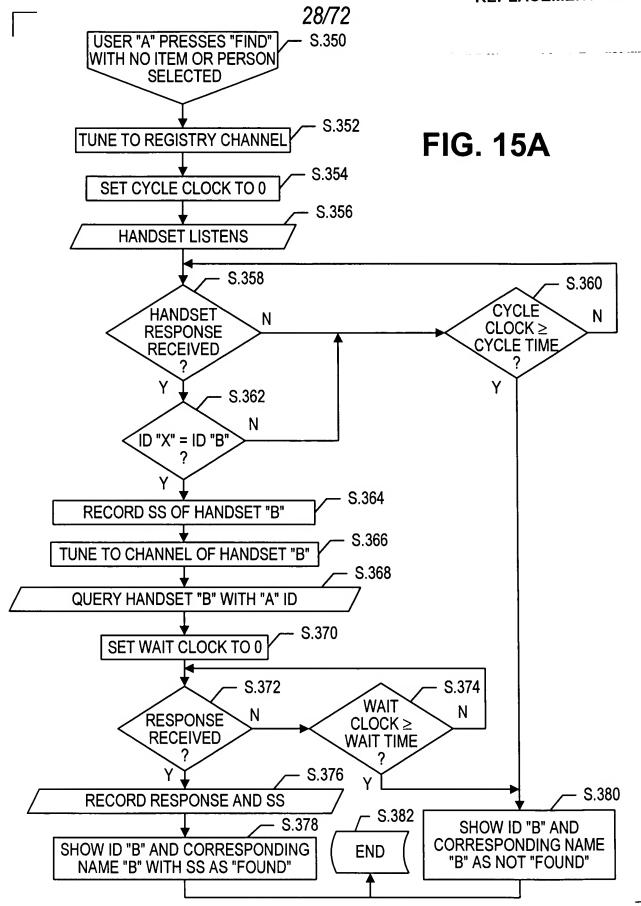
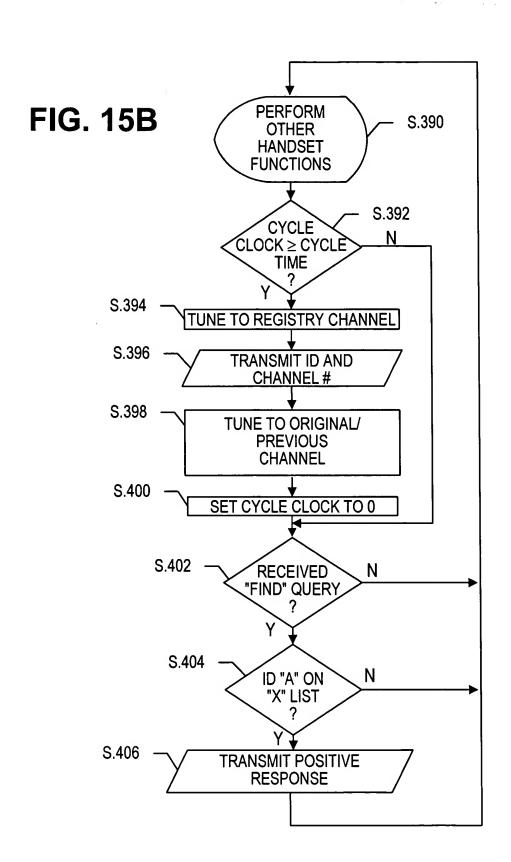
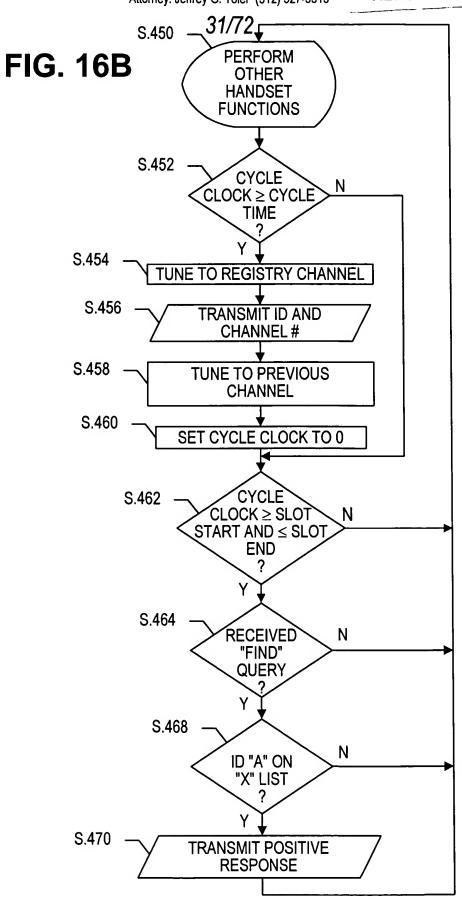


FIG. 14B





Docket No.: 1033-T00142-C3 Inventor: Daniel Wayne Mauney Attorney: Jeffrey G. Toler (512) 327-5515 REPLACEMENT SHEET 30/72 S.410 **USER "A" PRESSES** "FIND" WITH HANDSET "B" **SELECTED** S.412 **FIG. 16A** TUNE TO REGISTRY CHANNEL S.414 SET CYCLE CLOCK TO 0 S.416 HANDSET LISTENS S.418 S.420 CYCLE **HANDSET** N Ν CLOCK ≥ RESPONSE CYCLE TIME RECEIVED Υ S.422 N ID "X" = ID "B" S.424 **RECORD SS OF HANDSET "B"** S.426 TUNE TO CHANNEL OF HANDSET "B" S.428 QUERY HANDSET "B" WITH "A" ID S.430 SET WAIT CLOCK TO 0 S.432 S.434 **WAIT** N RESPONSE CLOCK ≥ RECEIVED WAIT TIME S.436 S.440 RECORD RESPONSE AND SS · S.442 S.438 SHOW ID "B" AND CORRESPONDING NAME SHOW ID "B" AND CORRESPONDING **END** "B" AS NOT "FOUND" NAME "B" WITH SS AS "FOUND"



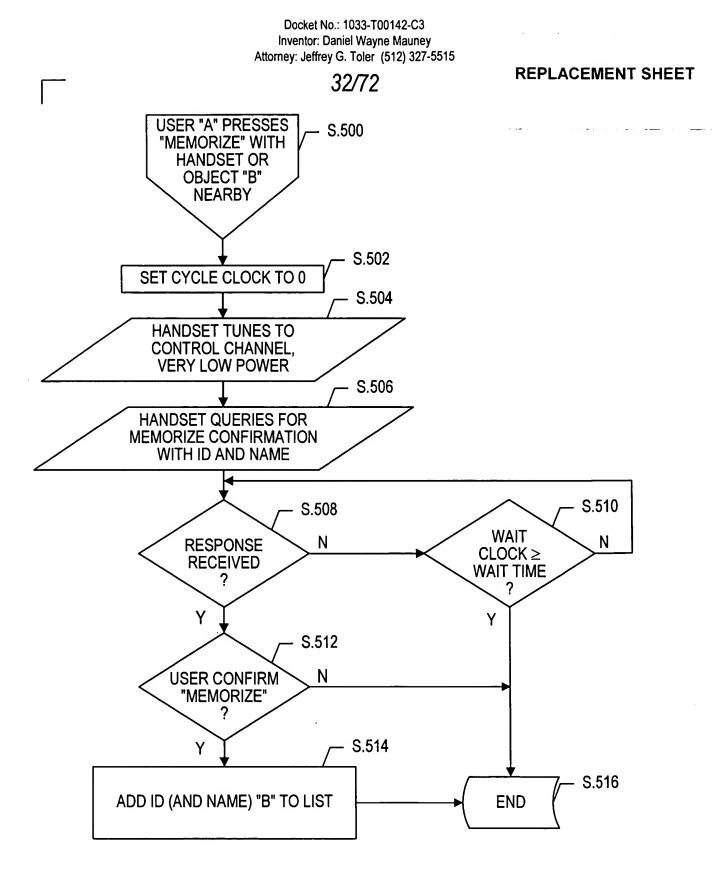


FIG. 17A

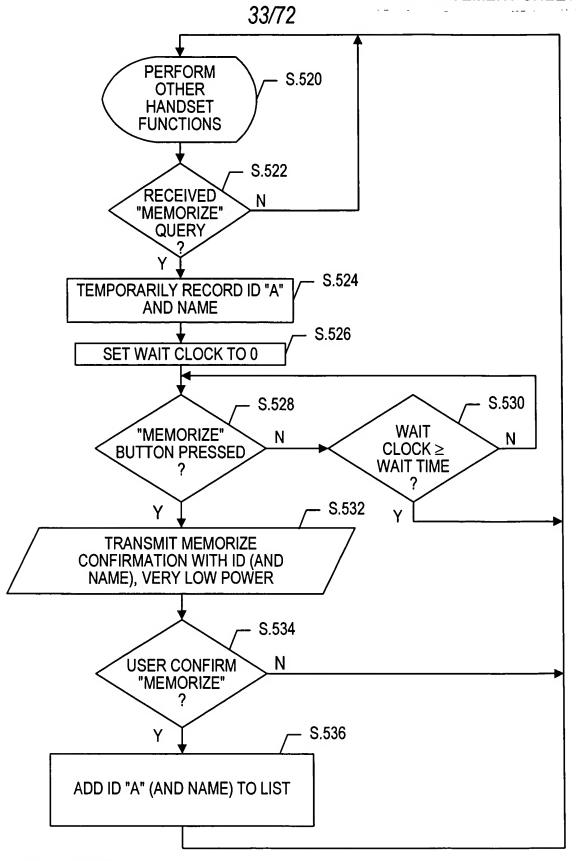
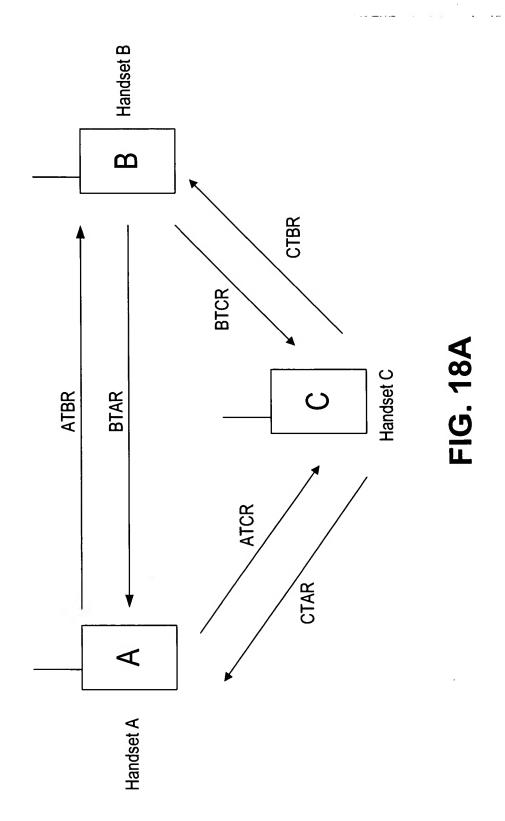


FIG. 17B



REPLACEMENT SHEET

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	TS1	TS2	TS3
HANDSET A			
Transmit	С	ATBR	ATCR
Receive	С	CTAR	BTAR
HANDSET B			
Transmit	С	BTCR	BTAR
Receive	С	ATBR .	CTBR
HANDSET C		OTAB	0700
Transmit	С	CTAR	CTBR
Receive	С	BTCR	ATCR

FIG. 18B

	TS1	TS2	TS3
HANDSET A			
Transmit	С	ATBR	ATCR
Receive	CTAR	BTAR	С
HANDSET B			
Transmit	BTCR	BTAR	С
Receive	С	ATBR	CTBR
HANDSET C Transmit	CTAR	С	CTBR
Receive	BTCR	С	ATCR

FIG. 18C

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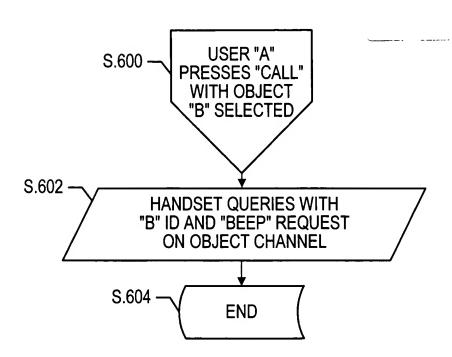


FIG. 19A

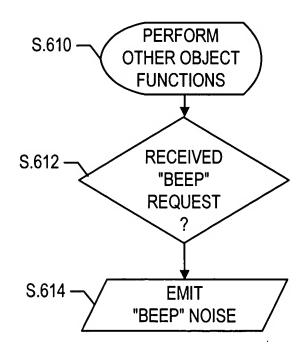


FIG. 19B

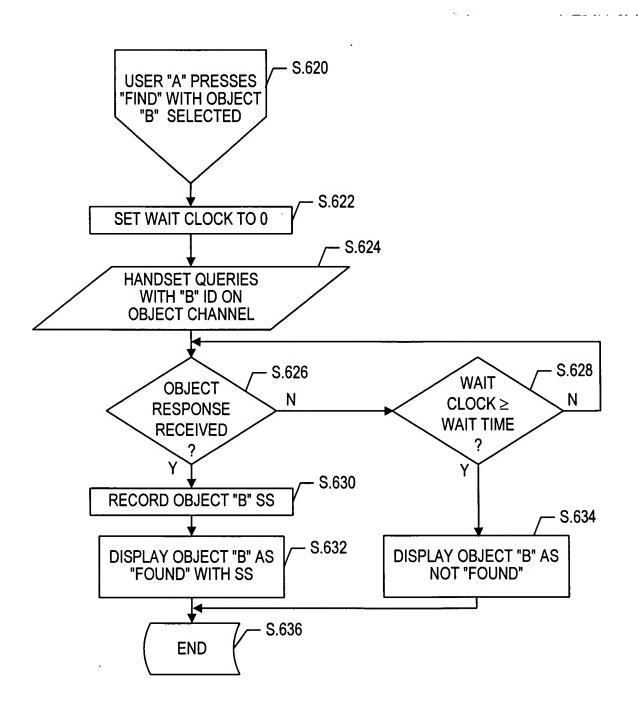


FIG. 20A

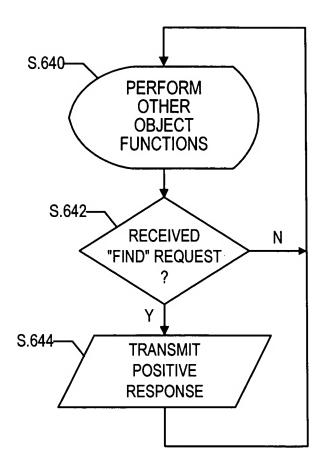
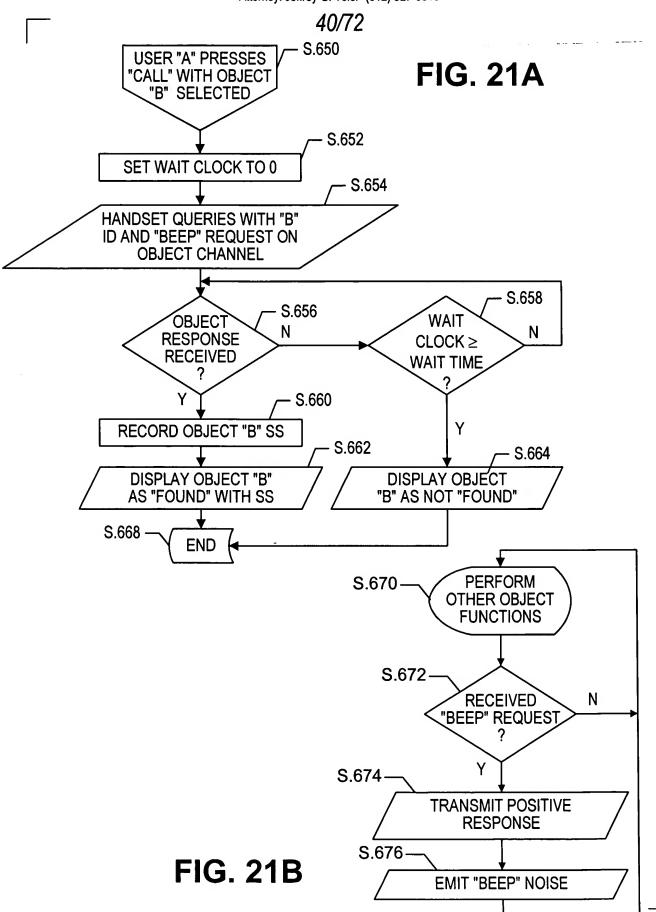
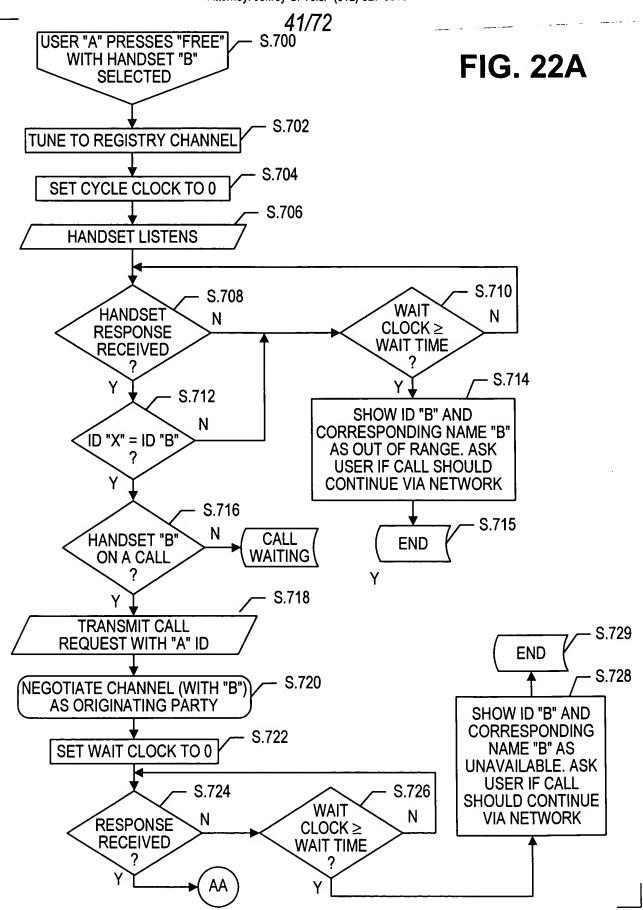


FIG. 20B





REPLACEMENT SHEET

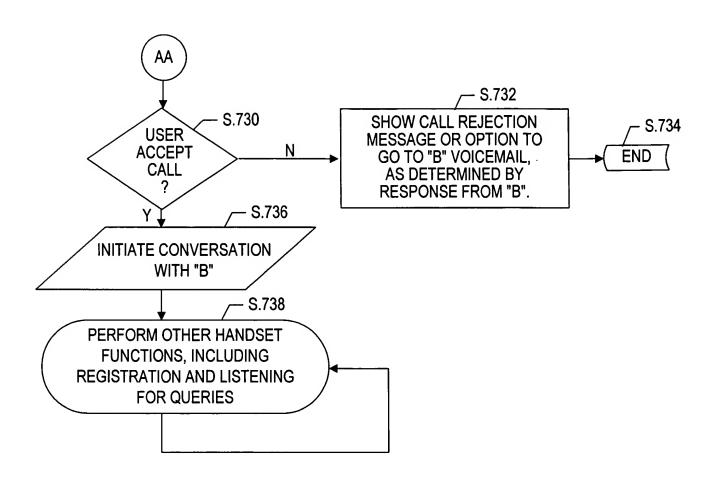
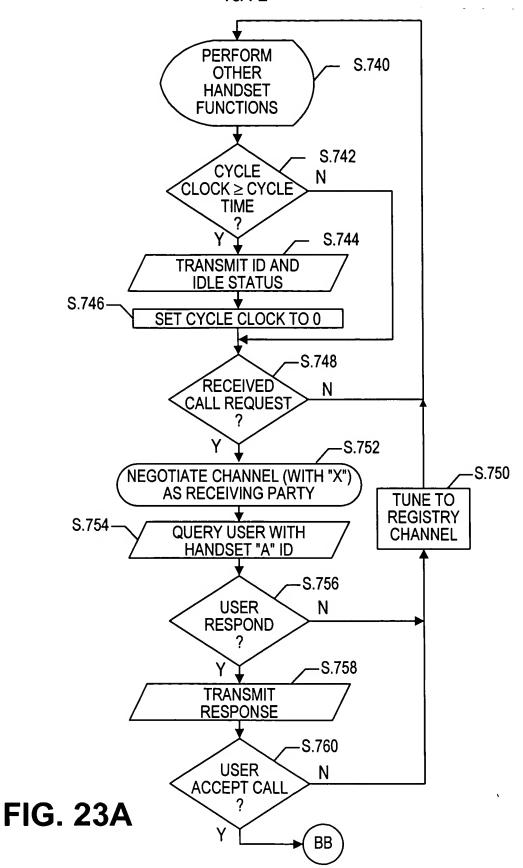


FIG. 22B



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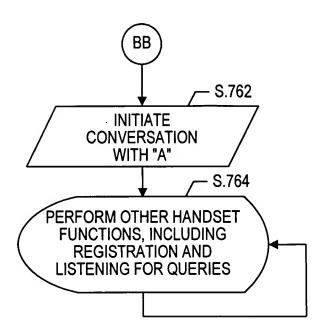
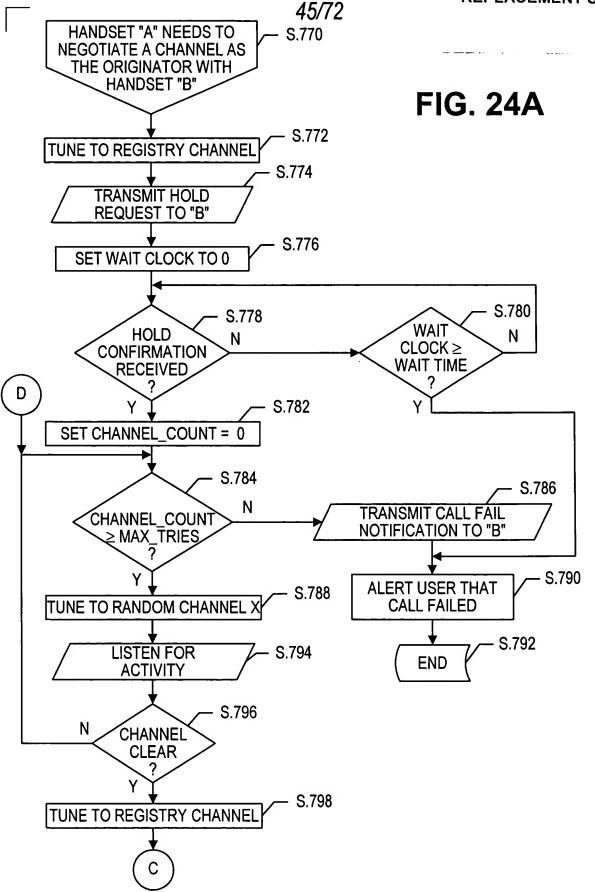


FIG. 23B



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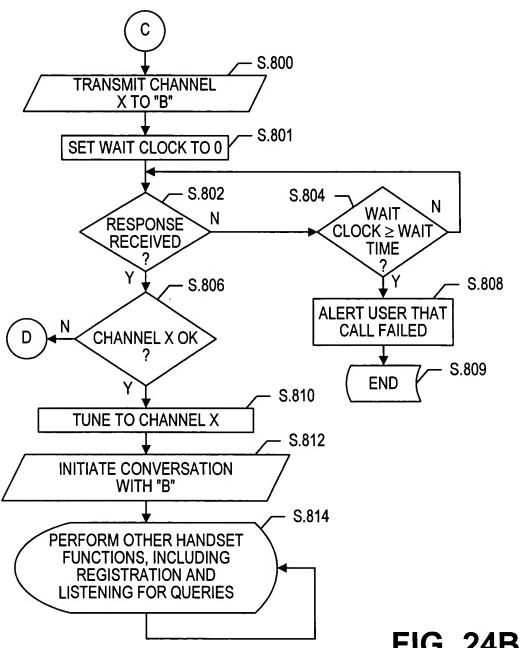


FIG. 24B

REPLACEMENT SHEET

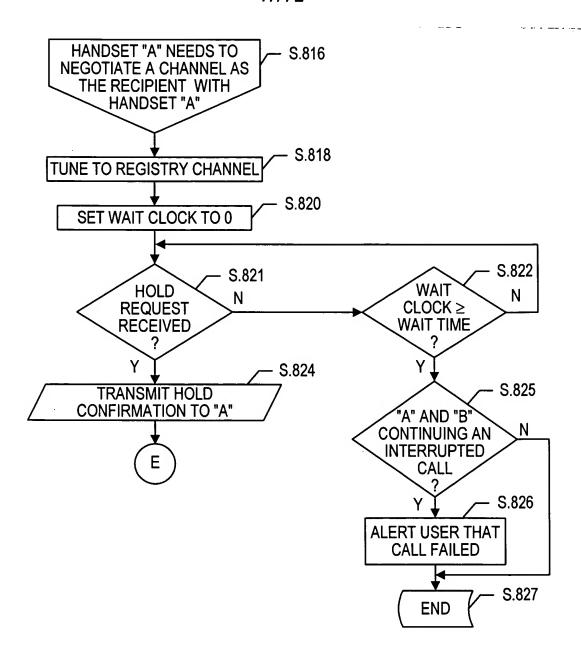
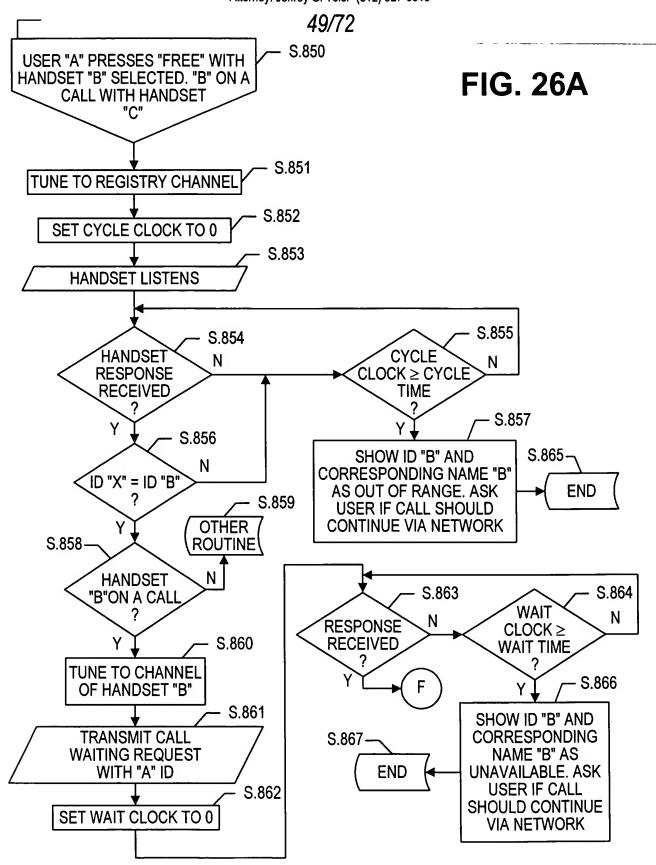


FIG. 25A

Docket No.: 1033-T00142-C3 Inventor: Daniel Wayne Mauney Attorney: Jeffrey G. Toler (512) 327-5515 REPLACEMENT SHEET 48/72 Ε S.828 SET WAIT CLOCK TO 0 S.832 - S.830 WAIT N RESPONSE N CLOCK ≥ WAIT RECEIVED TIME S.833 ΙY \$.834 CALL FAIL N 'A" AND "B" **NOTIFICATION** RECEIVED **CONTINUING AN** INTERRUPTED CALL S.835 TUNE TO CHANNEL X S.836 S.837 **ALERT USER THAT** LISTEN FOR ACTIVITY **CALL FAILED** S.839 S.838 TUNE TO REGISTRY CHANNEL **END** S.843 S.840 Ν TUNE TO CHANNEL X CHANNEL X CLEAR S.847-S.846 **END** S.842 'A" AND "B' TRANSMIT CHANNEL N **CONTINUING AN** X OK TO "A" **INTERRUPTED** CALL S.844 S.848-TRANSMIT CHANNEL X BAD TO "A" INITIATE CONVERSATION WITH "A" Ε S.849-PERFORM OTHER HANDSET FUNCTIONS, INCLUDING **REGISTRATION AND**

LISTENING FOR QUERIES

FIG. 25B



REPLACEMENT SHEET

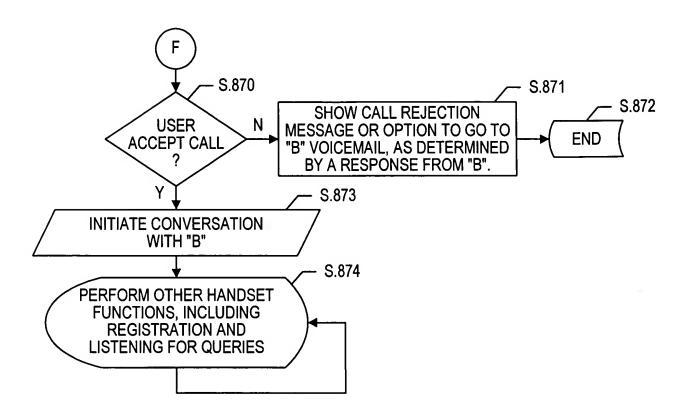
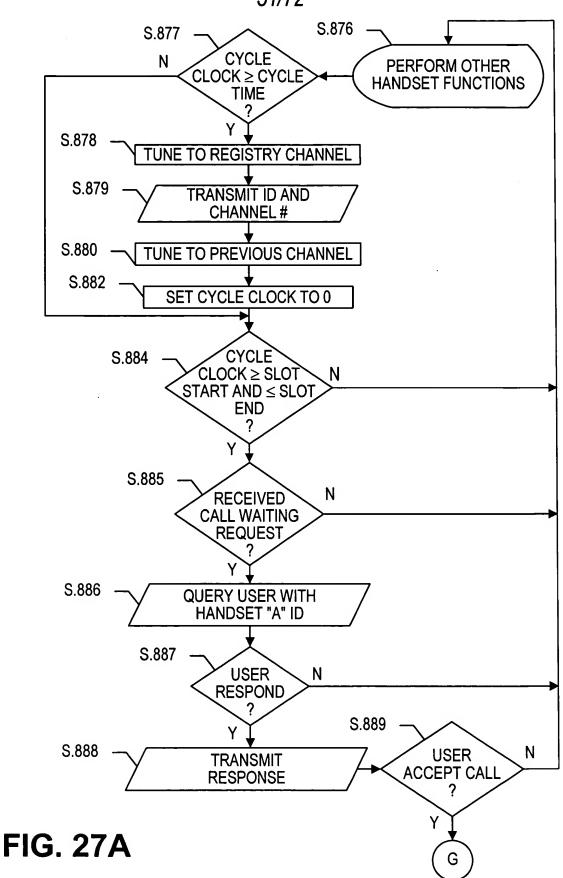


FIG. 26B





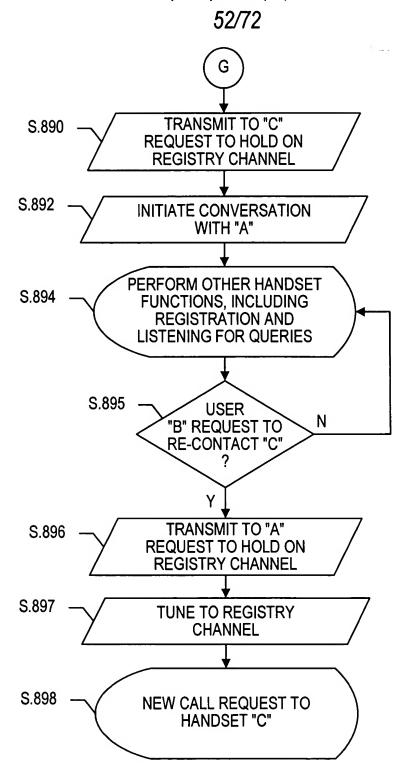
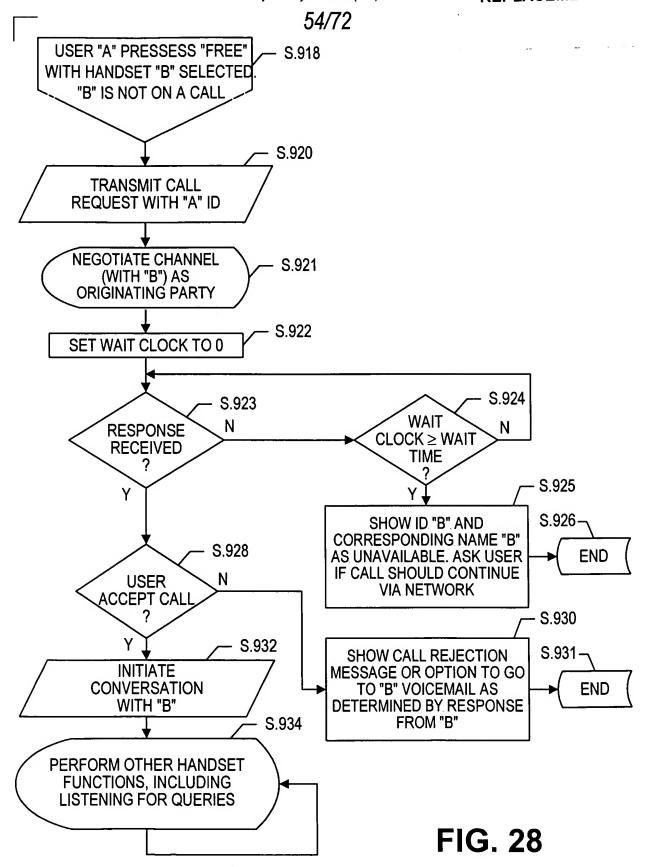


FIG. 27B

Inventor: Daniel Wayne Mauney Attorney: Jeffrey G. Toler (512) 327-5515 REPLACEMENT SHEET 53/72 HANDSET "C" IN S.900 CONVERSATION WITH HANDSET "B". HANDSET "B" **NEEDS TO PUT "C"** ON HOLD S.902 HOLD N REQUEST RECEIVED S.904 REQUEST REFUSED TUNE TO REGISTRY CHANNEL S.906 S.905 PERFORM OTHER HANDSET **CALL** N FUNCTIONS, INCLUDING REQUEST REGISTRATION AND RECEIVED LISTENING FOR QUERIES S.908 S.907 ACCEPT CALL REQUEST REQUEST N FROM THAT HANDSET AS FROM "B" RECIPIENT S.910 **NEGOTIATE** CHANNEL (WITH "B") AS RECEIVING PARTY S.912 INITIATE CONVERSATION WITH "B" S.914 PERFORM OTHER HANDSET FUNCTIONS, INCLUDING REGISTRATION AND LISTENING FOR QUERIES **FIG. 27C**

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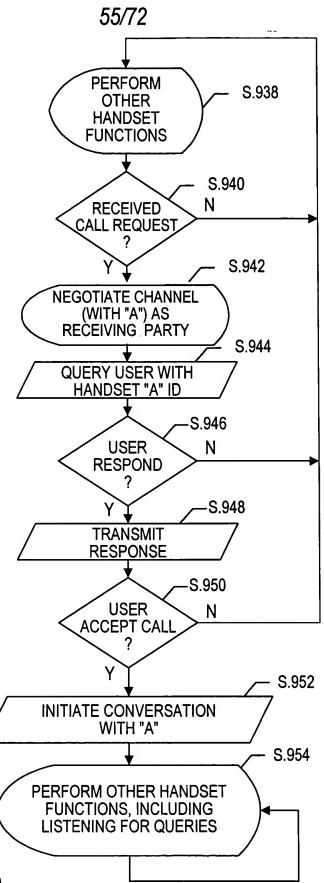
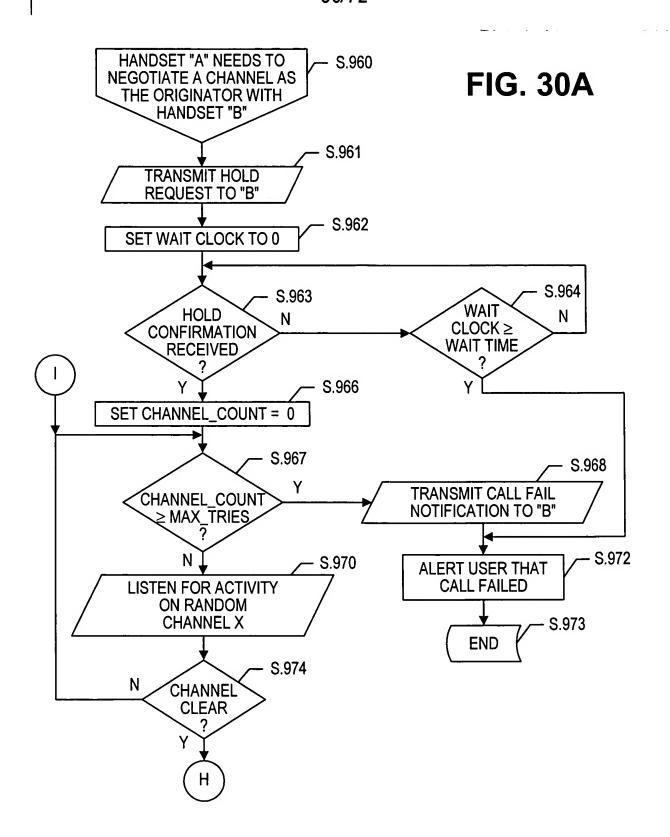


FIG. 29



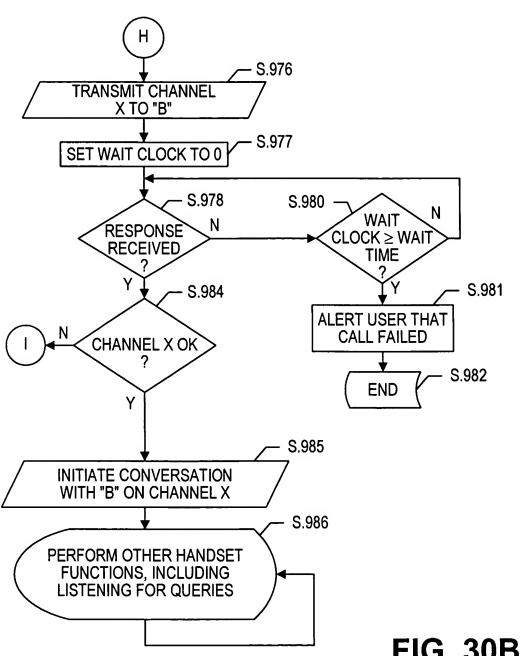


FIG. 30B

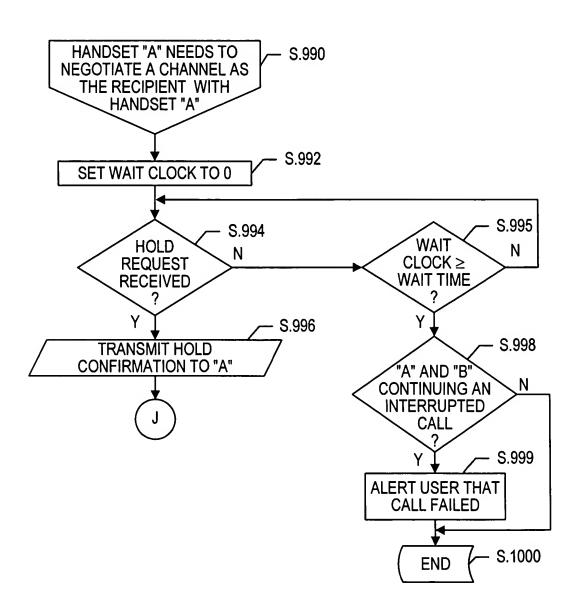
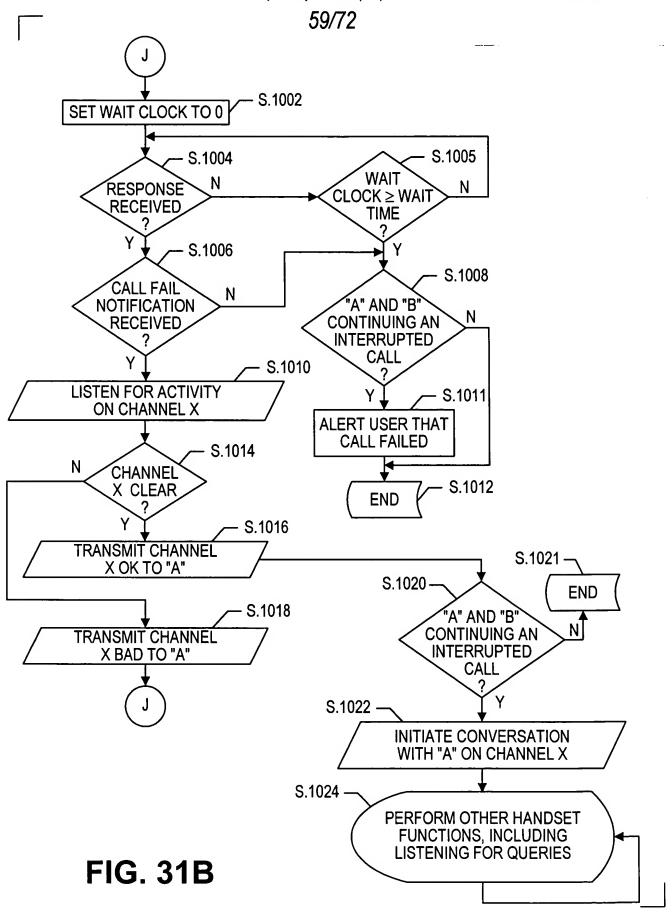
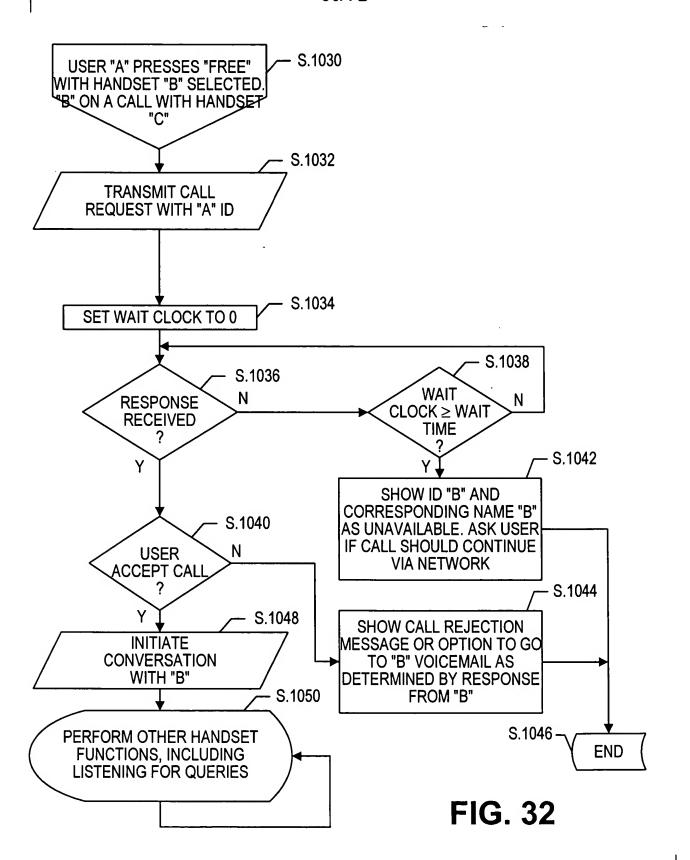
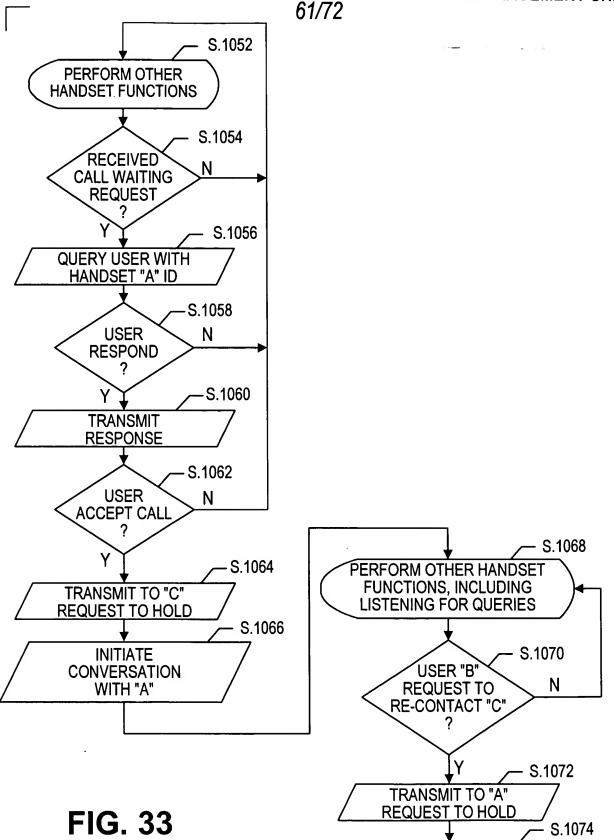


FIG.31A

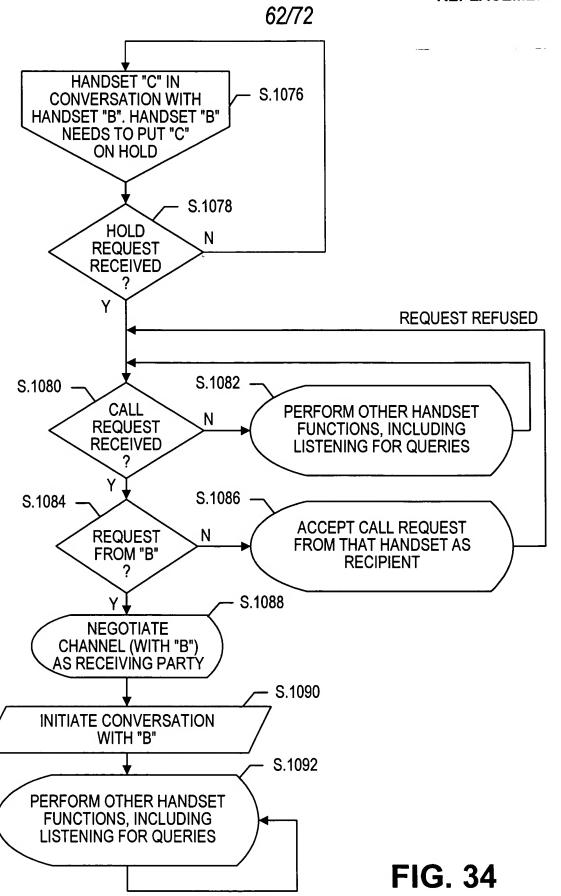




REPLACEMENT SHEET



NEW CALL REQUEST TO HANDSET "C"



REPLACEMENT SHEET

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_____ 2000

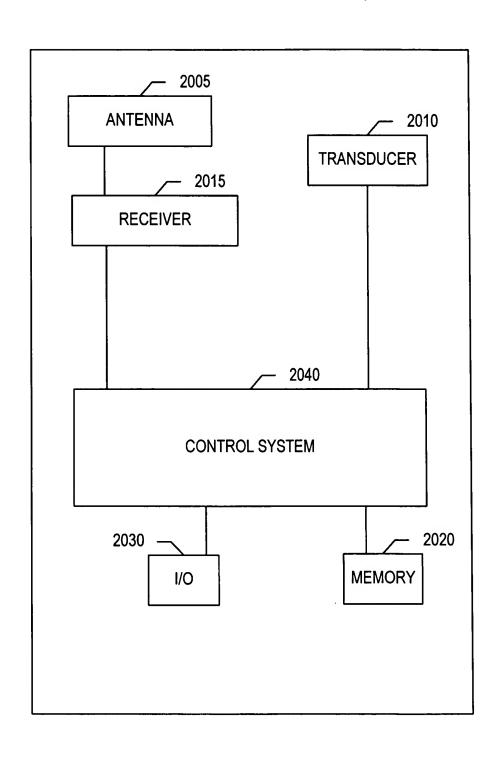


FIG. 35

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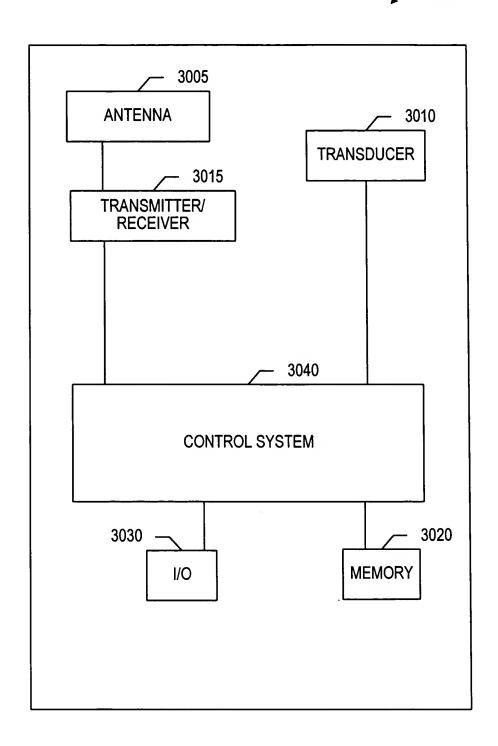
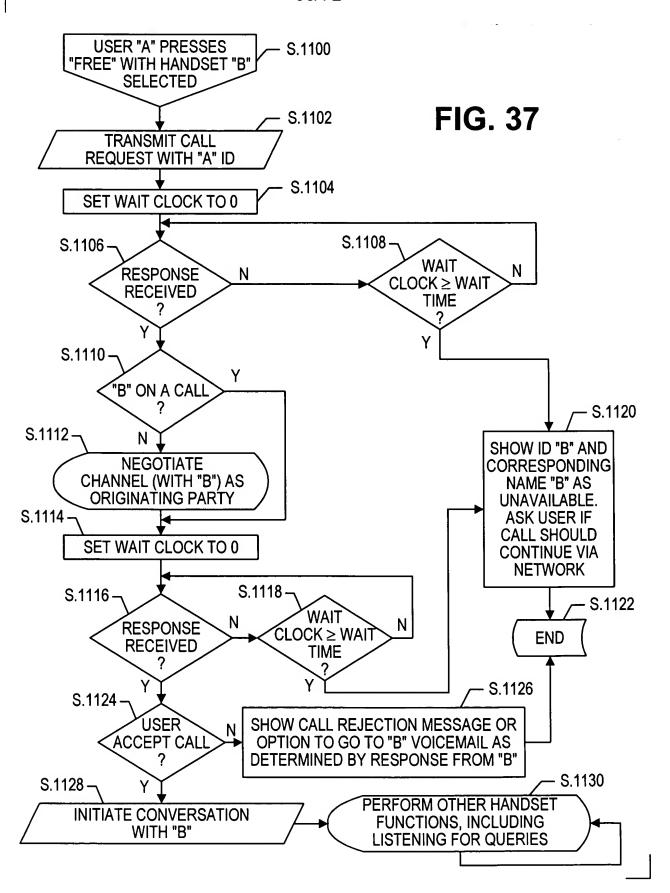
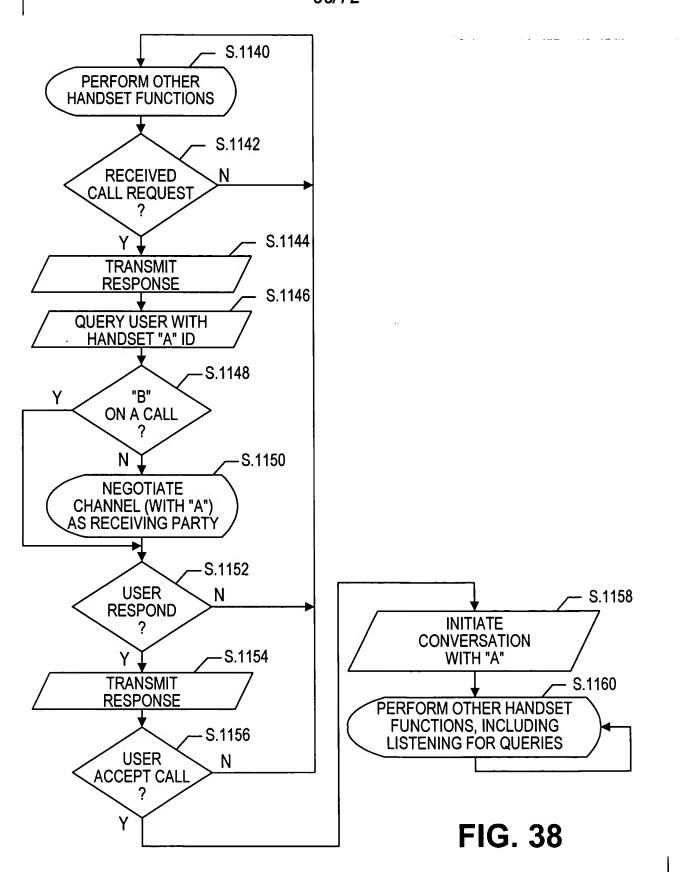
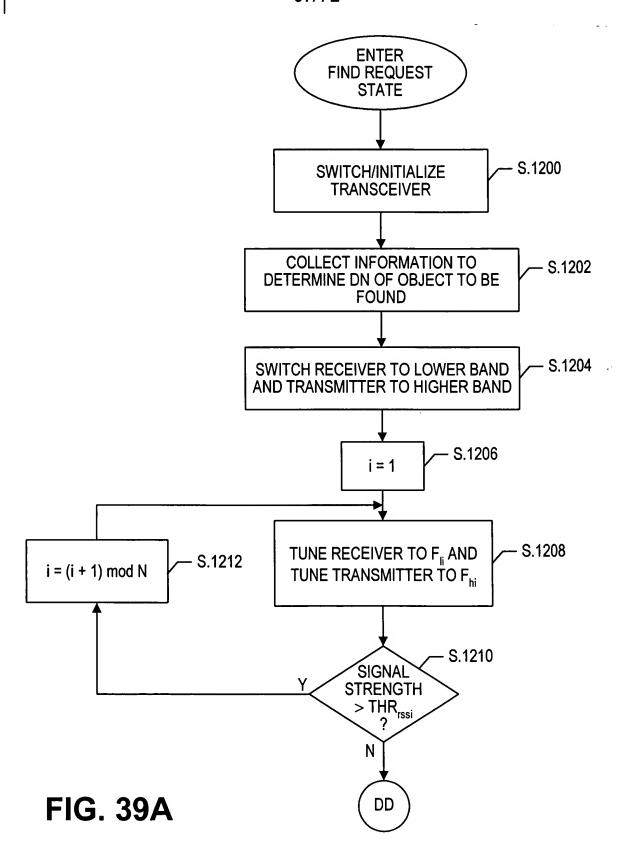


FIG. 36





REPLACEMENT SHEET



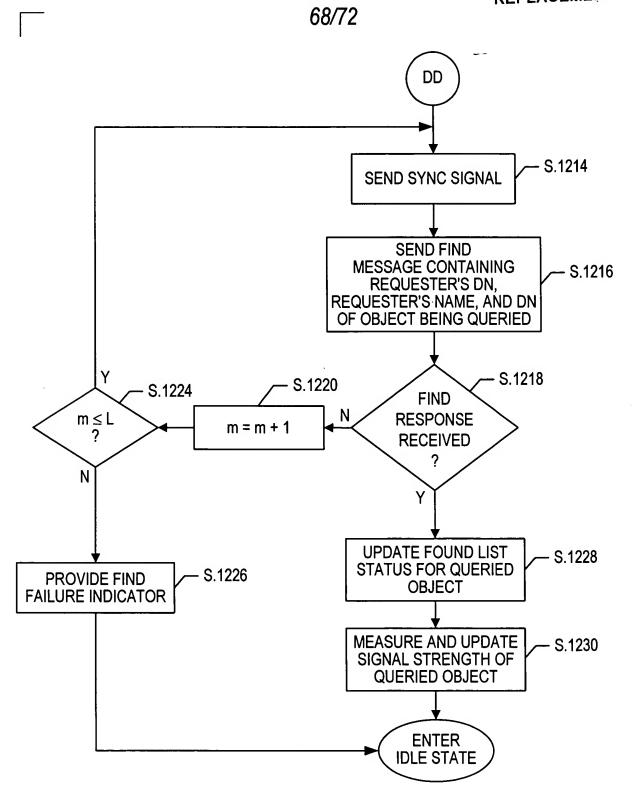


FIG. 39B

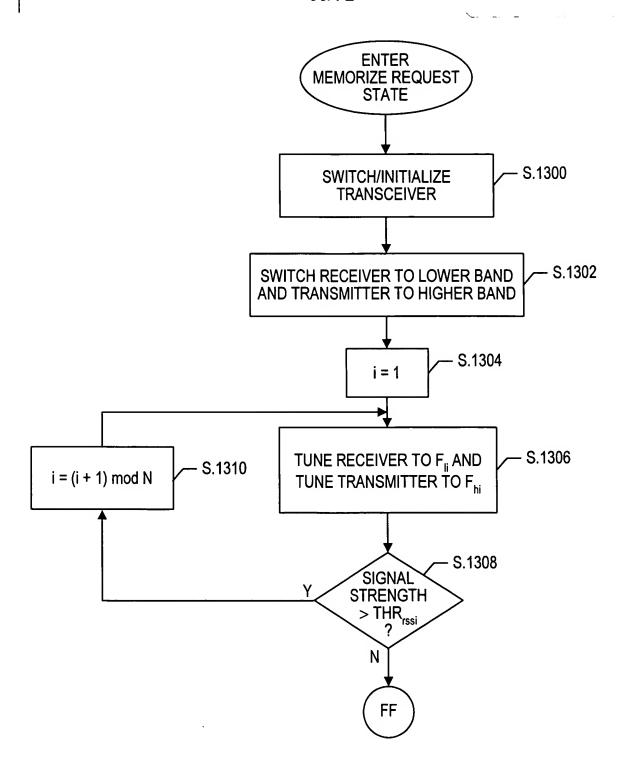


FIG. 40A

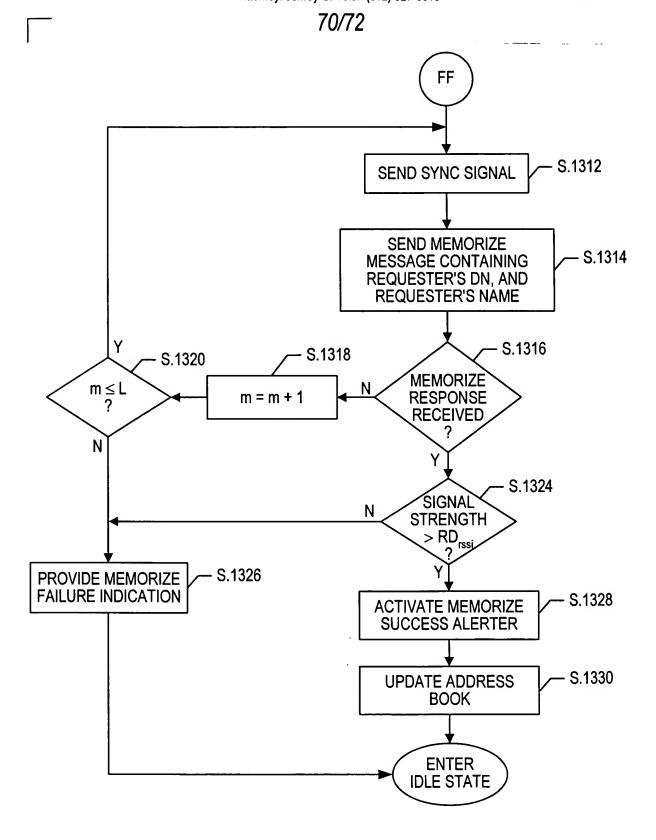


FIG. 40B

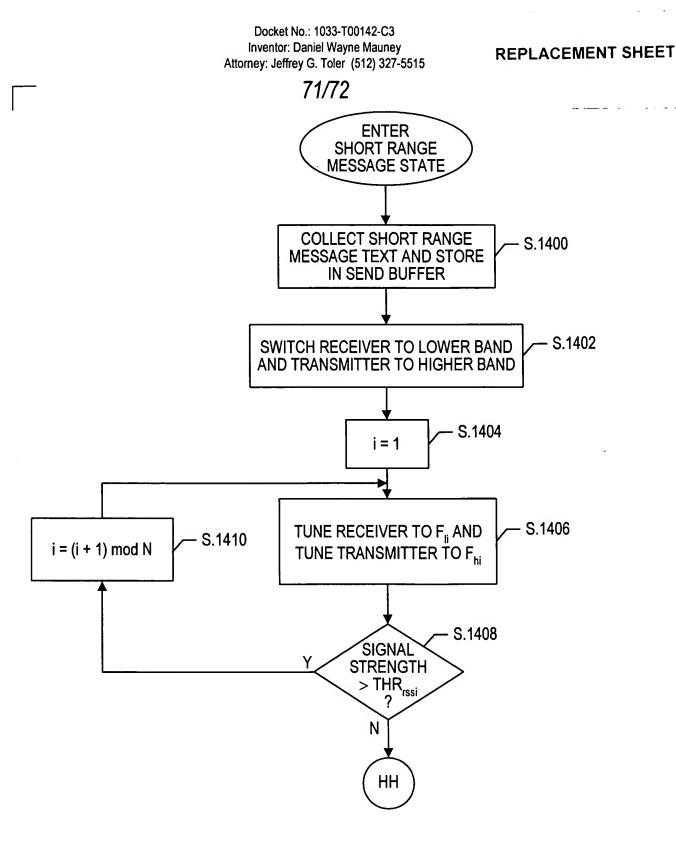


FIG. 41A

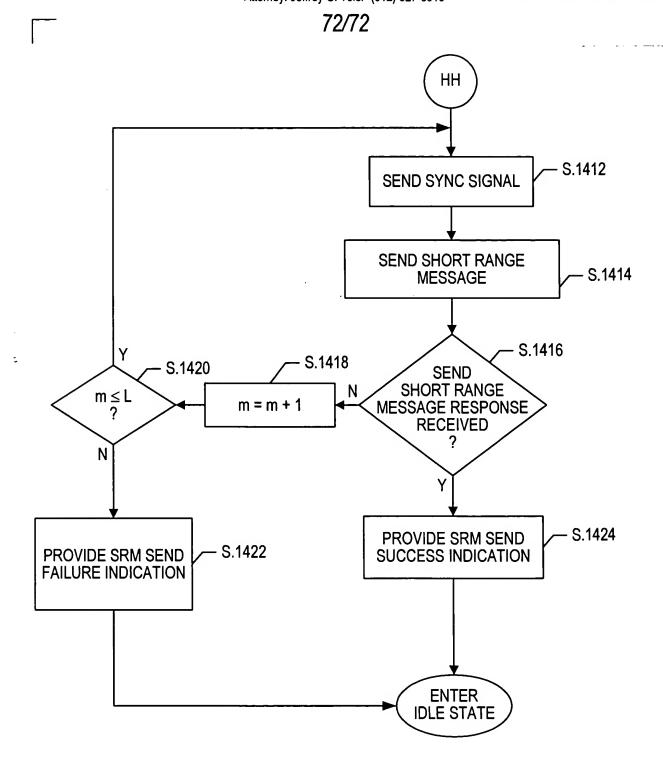


FIG. 41B